



USER MANUAL



B'TWIN

WELCOME INTO THE FAMILY

You have decided to purchase a Btwin Tilt folding bike and we thank you for your custom.

STOP...

Before using this bike, read this manual carefully. It will help get the most out of your Tilt and ensure your safety.

GO...

- Do You Tilt?
- Our Innovations
- Tilt 5
- Tilt 7
- Tilt 9
- Advice
- Before riding
- Unfolding
- Folding
- Warranty



B-TWIN



DO YOU TILT?

You have chosen the Btwin Tilt folding bike and we thank you for your custom. At Btwin, we have put all our expertise and enthusiasm into the design of your bike. Tilt is the result of a dream that was thought up by a small team of enthusiasts. We have met and listened to numerous cyclists throughout the whole world and tested dozens of bikes in order to redefine the way in which we think about urban mobility. As a result we were able to design a range of bikes that belong to a brand new style, so that you can enjoy fun and fast journeys. **Imagine: switch from cyclist to pedestrian in 1 second flat!**

Btwin Tilts are genuinely versatile urban bikes that run as smoothly as «big» bikes and, before you know it, you feel totally at home using one.

The Tilt range incorporates an ultra-fast folding system, that is unique around the world, thanks to its frame and stem hinges that we call «**Pop Up**» (patented), some incredibly simple adjustment systems such as our «**EasyClamp**» seatpost adjustment system that is also patented, the «**Light'In**» lighting built into the frame, a clean «**Cleanride**» drive train thanks to the exclusive shape of our frame as well as a belt drive on the Tilt 7 and 9. Lastly, you only have to carry it when absolutely necessary as your bike is designed for **rolling folded up** like a suitcase. This is the «**Fold 'N' Roll**» frame geometry.

Small is beautiful

Tilt is the realisation of a process that brings together enthusiasm, demanding standards and technical prowess. This is a concept that breaks with the past...

Indeed, the development of the Tilt is unique with bold design features like its taut lines and its amusing frame architecture influenced by the pinball machines of our teenage years. Without doing away with the basics, we wanted to reinvent the way we think about folding bikes in order to make a good-looking, thoroughly modern bike that will help you be ever more mobile.

Check out the Tilt for yourself...

Tilt Team

OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Revolutionary 1-second folding system.



Ergonomically designed seatpost adjustment.



The lubrication-free drive train that's clean!



Lighting that is built into the frame and a bike lock.



It can be wheeled along when folded so you do not have to carry your bike.



Even more comfort.



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Revolutionary folding system.

Watch out, things are going to go very quickly!

The **Pop Up** system with its patented semi-automatic hinges allows you to fold and unfold the frame in 1 second flat! Thanks to its lever located under the saddle that unlocks the hinge of the frame, you just need a few seconds to fully fold the bike. A single step is required to close the stem that is secured automatically.

You won't have to miss another train!



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Ergonomically designed seatpost adjustment. Adjusting your saddle has never been so simple

On a folding bike, you have to change the height of the saddle every time you fold and unfold it. It might as well be easy and fast. The Easyclamp is a patented tightening system that allows you to adjust the height of the seatpost very easily. The laser graduation on the front section of the seatpost means that you can always adjust your saddle to the right height with a simple visual check.

The post is also fitted with a locking system for dealing with the risk of theft and the collar holds the screwed, rear light.



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Clean drive train.

A bike that won't make you dirty before you get to work

Drive trains, and chains in particular, are the dirtiest part of a bike and, what's more, they need regular maintenance. On the Tilt, the drive train is located inside the frame to minimise any contact with your clothes.

On the Tilt 7 and 9, the chain has simply been replaced by a carbon belt that needs no lubrication or greasing. Not only is it cleaner but also lighter and more durable than the good old chain.

**The person sitting next to you
on the train will appreciate that!**



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Built-in lighting.

And yet that seems to be the obvious solution on a car...

In town, the theft of components such as clip-on lights is a real problem.

That's why the Tilt is equipped with a built-in front light that is screwed to the frame.

It can be switched on by simply pressing the switch.

The rear lighting is also built-in and screwed to the Easyclamp collar.

The LED lighting has a very good battery life.

The Tilt 9 goes one step further with its Shimano front hub dynamo that powers the front and rear lights.

Steady light: a capacitor keeps the rear light on for 4 minutes when stationary.

And then there was light.



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Exclusive folding kinematics.

The Tilt rolls along when folded, like a suitcase...

We have designed folding kinematics that allow you to wheel the Tilt easily when folded. You only need to carry it when absolutely necessary to go up some steps for example.

The frame geometry is specially engineered so that both wheels are perfectly parallel to ensure a high level of stability. In this position, the frame hinge is locked to prevent it from opening accidentally.

The Tilt 7 is equipped with a 2-speed auto shifting hub.

This is an exclusive feature made by SRAM for BTWIN that allows you to shift the gears automatically when stationary so that you can roll the folded bike backwards without the cranks spinning and getting locked up with the front wheel.



OUR INNOVATIONS

Revolutionary components to make what can only be described as the best folding bike in the world.



Vibration absorption.

Even more comfort

To make it more comfortable, the Tilt frame was designed to filter and absorb part of the vibrations transmitted by the rear wheel: the Virtual Damper.

As a matter of fact, the specific design of the chainstays and seat stays allows the frame to naturally distort vertically thereby absorbing part of the vibrations. The distortion of this form of tube is 22.5% greater than that of a conventional round tube.





One second and it's folded. The fastest folding bike in the world.

Everyone believes that small wheels mean slow wheels and poor efficiency: the Tilt 5 will surprise you not only with its folding time but also its speed on the road. Enter the new era of «flash mobility».





FEATURES

Weight: 13.9 kg.

Frame: in 6061 aluminium with the Pop-Up folding system.

Fork: in Hi-Ten steel.

Drive train: anti-corrosion chain, SRAM 3-speed I Motion 3 hub controlled with a twist grip shifter. Development in metres for one crank revolution: 3.53m, 4.84m and 6.63m.

Brakes: V brake. Aluminium levers, steel callipers.

Crankset: 170mm aluminium cranks with protective tips.

Handlebar / stem / steering: aluminium handlebar, **Pop-Up** aluminium stem with an automatic locking system.

Wheels: Single-wall 20» aluminium rims.

Tyres: 20x1.95.

Saddle / Seatpost: **Easyclamp** tightening collar, aluminium Tilt seatpost with frame hinge unlocking control, saddle with ergonomically-designed grip at the front to steer the bike when folded, reinforcements at the side to withstand abrasion if the bike is resting against a wall, perforated fabric for the handhold.

Pedals: folding

Accessories / equipment: **Built-in Light-In** : front LED (10 lux) lighting.

Battery life: 13hrs. 3 x R03 batteries (AAA). Built-in rear LED lighting.

Battery life: 35hrs. 2 x CR2032 batteries.



An evil little bike. Not to everyone's taste.

Minimalist, responsive, wild! Belt drive train, only 2 gears that shift automatically at 20km/h, the Tilt 7 is the ideal bike for towns with easy gradients like New York or Paris. Can you tame it?





FEATURES

Weight: 13.5 kg.

Frame: 6061 aluminium Pop-Up folding system

Fork: 6061 aluminium.

Drive train: Carbon belt, SRAM Automatix Neutral Position 2-speed hub: it automatically shifts the 2nd gear at 19 km/h. When stationary, the drive train is disengaged so that you can push and pull the bike when folded without the cranks spinning resulting in the left pedal getting jammed against the front wheel. Developments in metres for one crank revolution: 4.63 m and 6.34 m

Brakes: V brake. Aluminium levers, steel callipers.

Crankset: 170mm aluminium cranks with protective tips.

Handlebar / stem / steering: aluminium handlebar, aluminium stem
Pop-Up with automatic locking system.

Wheels: Single-wall 20" aluminium rims.

Tyres: 20x1.95, reflective stripes on the sides.

Saddle / seatpost: **Easyclamp** tightening collar, aluminium Tilt seatpost with frame hinge unlocking control, saddle with ergonomically-designed grip at the front to steer the bike when folded, reinforcements at the side to withstand abrasion if the bike is resting against a wall, perforated fabric for the handhold.

Pedals: folding

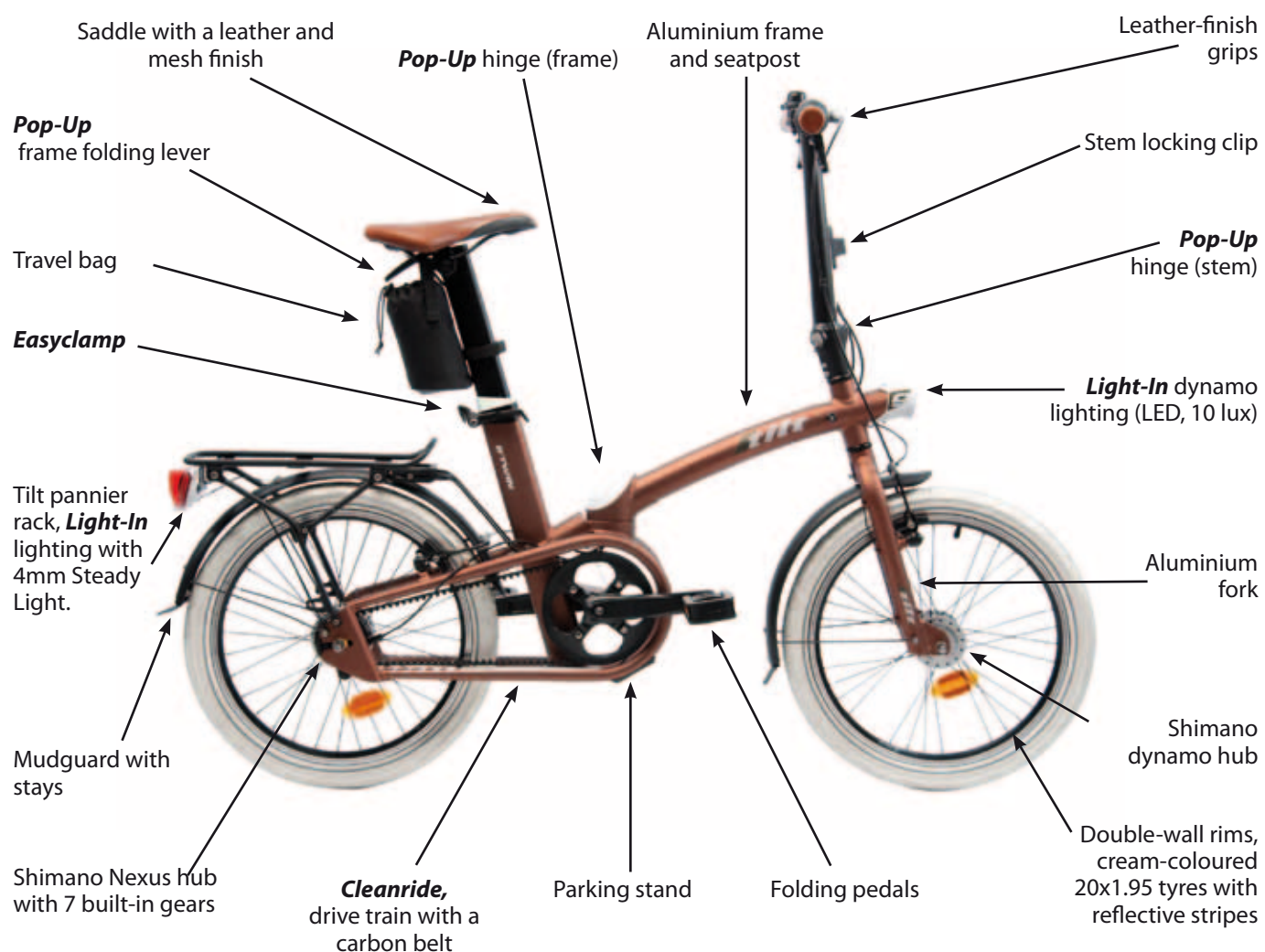
Accessories / equipment: front and rear mudguard with stays.

Light-In: built-in LED (10 lux) front light. Battery life: 13hrs. 3 x R03 batteries (AAA).
Built-in LED rear light. Battery life: 35hrs. 2 x CR2032 batteries.



The Tilt that has it all. A genuine compact city bike.

When you need to go out shopping or you are getting back home after a party even if there are hills to contend with. The Tilt 9 is the ideal all-round portable city bike: 7 speeds in the market leading hub, pannier rack and dynamo lighting in the front hub and a magnificent finish. The Tilt 9 folds up the way you want.





Features

Weight: 15.9 kg.

Frame: 6061 aluminium Pop-Up folding system

Fork: 6061 aluminium.

Drive train: carbon belt, SHIMANO Nexus 7-speed hub controlled with a twist grip shifter. Development in metres for one crank revolution: 2.58 m, 2.98 m, 3.48 m, 4.0 m, 4.76 m, 5.40 m and 6.35 m.

Brakes: V-Brake, aluminium levers and callipers.

Crankset: 170 mm aluminium cranks with protective tips.

Handlebar / stem / steering: aluminium handlebar, aluminium stem
Pop-Up with automatic locking system.

Wheels: double-wall machined aluminium rims. Shimano dynamo hub that powers the front and rear lights.

Tyres: 20x1.95 with reflective stripes on the sides.

Saddle / seatpost: Tightening collar **Easyclamp** aluminium Tilt seatpost with frame hinge unlocking control, saddle with ergonomically-designed grip at the front to steer the bike when folded, perforated fabric for the handhold.

Pedals: folding

Accessories / equipment: storage bag, pannier rack (15 kg max), **Light-In:** built-in LED (10 lux) light at the front, rear light built into the pannier rack fitted with a 4-minute indicator light (the light stays lit for 4 minutes when stationary). Mudguard with stays.

Features

**Bike dimensions
when folded:**



**Bike dimensions
when unfolded:**

ADVICE

Parking stand:

The Tilt frame's exclusive patented design allows the bike to stand up vertically when folded without having to add a kick stand. This is the parking stand. You can even sit on the bike when folded to make a phone call. This design also protects the user from the drive train so that he does not get dirty while riding.



Wheel it when folded!

The Tilt bike range was designed to roll along when folded like a stick by steering it with the saddle. This means that you do not have to carry it when you cannot unfold it, while using public transport for example. The saddle has an ergonomically-designed handhold as well as abrasion-resistant side reinforcements.



How to carry your Tilt.

If you have to carry your bike folded, to go up a flight of stairs to get to your flat for example, you can hold the frame in a balanced and ergonomically comfortable way. In order facilitate handling, the bike stays locked when folded at the frame hinge, thereby eliminating the need for clip-on and magnetised systems at the wheel axles, that can be fragile.

BEFORE RIDING

Before each use, check that the front and rear brakes are in perfect working order.

An under-inflated tyre will affect your Tilt's performance.
Recommended pressure:
3.5 Bars

The Tilt is robust but it is not a BMX. It is not designed to do stunts and other tricks.

Some added accessories such as a front basket or a pannier can obstruct the correct folding of the bike.

Keep the same tyre cross-section size at the front and the rear.

The levers and drive train parts can only be replaced with identical parts.

Do not grease the seatpost or the belt.



Max. user load: 120 kg.

Cyclist height:
Minimum: 145 cm
Maximum: 195 cm.





1 Removing the saddle.



1. Pull the tightening lever upwards.

3. Lock the saddle by pushing the lever down as far as it will go.



2. Adjust the height of the saddle.

Tightening lever in the vertical position.

2 Unfolding the handlebar.



Unfold the handlebar upwards. The locking system is automatic.

3 Unfolding the frame: to unfold your bike, you must stand on the left hand side of the bike.



1. Pull the red safety lever, backwards, with your finger.



2. Lift the entire POP-UP lever to unlock the frame hinge.



3. Open the bike by letting go of the POP-UP lever. Hand position: left hand in the middle of the handlebar, right hand at the rear of the saddle. The locking system is automatic when the frame is in the unfolded position.



1 Folding the frame: to fold your bike, you must stand on the left hand side of the bike.



1. Pull the red safety lever, backwards, with your finger.



2. Lift the entire POP-UP lever to unlock the frame hinge.



3. Start the folding operation by pushing the frame with the foot and letting go of the POP-UP lever. Hand position: left hand in the middle of the handlebar, right hand at the rear of the saddle. Once folded, the frame locks itself automatically. The 2 wheels must remain on the ground and be parallel to one another.

2 Folding the handlebar.



1. With the right thumb, push and hold the red button down.

2. With the left thumb, push the grey button as far as it will go and fold the handlebar.



3. Clip the handlebar to the frame.



Video available at btwin.com



WARRANTY

The warranty agreement covers the following:

- Any equipment or manufacturing defect recorded by a BTWIN workshop team, the replacement of defective parts with compliant parts of the same usage, and labour.
- Unless otherwise indicated, all BTWIN branded products are guaranteed for 2 years under normal recommended conditions of use.
- This BTWIN warranty does not affect your statutory rights with regards hidden defects.

Application of the warranty:

- No knocks: the product must show no signs of damage due to improper conditions of use.
- The product must be used in accordance with its operating instructions and regularly serviced by our workshops.
- Original parts have not been replaced by unauthorised parts.

The warranty does not cover:

- Damage engaging the liability of a third party or resulting from an intentional fault.
- Damage resulting from maintenance and use not in accordance with the manufacturer's recommendations or negligence.
- Parts subject to wear and tear (bulbs, cables and housings, brake pads, chain rings, chain, belt, rims, cogs, tyres, inner tubes, anti-jump pulleys, etc) and replacement labour.
- Where the product is the subject of modifications performed outside our workshops. Original parts replaced with unauthorised parts.
- Damage resulting from fire, lightning, storms, vandalism or unsecured transport.

Term of the warranty:

5 years for the frame and 2 years for parts and labour.